Index of Claims

| Application. | /Control | No. |
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Examiner

09/993,641

Scott A. Rogers

Applicant(s)/Patent under Reexamination

YAMADA ET AL.

Art Unit

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| 9   10   10   110   110   110   110   111   11 |                         |                           | -               | +      | Н        | $\dashv$        | $\dashv$ | -                  | ▎├─  |               | ٨  |            | $\vdash$        | $\dashv$ | +        | +        | +-     | ╁┤        |          |     | $\vdash$        | ╅        | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | +             |
| 10   |                         |                           | _               | +      | Н        | $\dashv$        | -+       | +-                 | ▎├─  | 59            | 1  |            | Н               | +        | +        | ╁        | +-     | +         |          |     | $\vdash$        | ╅        | ╅        | +        | +        | $\dashv$ | +        | +             |
| 11   |                         | 19                        | _               | +      | Н        | $\dashv$        | -+       | _                  |  |               | ╁  | H          | Н               | +        | +        | +        | ╅╌     | +         |          |     | $\vdash$        | 十        | ╅        | +        | $\dashv$ | $\dashv$ | $\dashv$ | +             |
| 12   |                         | 1 1                       | _               | +      | Н        | $\dashv$        | $\dashv$ |                    | l  |               | ╁  | <b>-</b> - | $\vdash$        | $\dashv$ | $\dashv$ | +        | +-     | +         |          |     | $\vdash$        | $\dashv$ | $\pm$    | +        | +        | ╅        | $\dashv$ | -             |
| 13   |                         |                           | <del>-  -</del> | +      | Н        | $\forall$       | $\dashv$ | $\top$             | 1 -  |               | T  | Н          | H               | ┪        | +        | $\dashv$ | +      | +         |          |     | $\vdash$        | +        | +        | +        |          | -+       | $\dashv$ | +             |
| 14   |                         |                           | _               | +-     | Н        | -               | +        | _                  |  |               | $\vdash$   | $\vdash$   | H               | $\dashv$ | +        | +        | +      | ;         |          |     | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | +             |
| 15   |                         |                           | +               | $\top$ | H        | $\dashv$        | $\dashv$ | +                  |  |               | $\vdash$   | $\vdash$   | H               | 十        | $\dashv$ | $\dashv$ | +-     | +         | $\vdash$ |     | $\vdash$        | +        | +        | +        | $\dashv$ | -+       | $\dashv$ | $\dashv$      |
| 16   O   |                         |                           |                 | +      | Н        | $\dashv$        | -        | $\dashv$           |  | 65            | $\vdash$   | $\vdash$   | $\vdash$        | $\dashv$ | +        | +        | +      | $\forall$ | -        |     | $\vdash \vdash$ | 十        | +        | +        | -+       | +        | -+       | +             |
| 17   |                         |                           | _               |        |          |                 | _        | _                  |  |               | ╁  | $\vdash$   | $\vdash$        | $\dashv$ | $\top$   |          | +      | +         |          |     | $\vdash \vdash$ | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$      |
| 18 N   68   118   119   118   119   119   119   119   119   119   1120   121   122   122   122   121   121   122   122   122   123   123   123   123   123   124   124   124   124   124   124   124   125   126   126   126   126   127   127   127   128   129   129   129   129   129   130   130   130   131   131   131   131   132   133   |                         |                           | _               | +      |          | -               | $\dashv$ | +                  |  |               | T  |            |                 | $\dashv$ | $\dashv$ | +        | ╁      | H         | -        |     | $\vdash$        | $\dashv$ | 十        | +        | -+       | $\dashv$ | $\dashv$ | +             |
| 19   |                         |                           |                 | 1      | Н        |                 | _        | $\top$             |  |               | H  | Н          | $\Box$          | +        | $\top$   | +        | +-     | 1         |          |     | $\dashv$        | _        | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | 十        | +             |
| 120  |                         | 1                         |                 | 1      | $\vdash$ | $\dashv$        | $\dashv$ | $\neg$             |  |               | H  | Н          | $\vdash$        | $\dashv$ | $\top$   | +        | +-     | +         |          |     |                 | +        | +        | $\dashv$ | $\dashv$ | $\dashv$ | 十        | +             |
| 21   1   71   72   121   122   123   123   123   123   123   124   124   124   124   124   124   124   125   125   126   127   127   127   127   127   127   127   127   127   127   128   128   128   128   129   129   130   130   130   131   131   131   131   131   131   131   131   131   131   131   131   131   132   133 <td></td> <td><del>     </del>  </td> <td><math>\dashv</math></td> <td>1</td> <td>H</td> <td>十</td> <td>1</td> <td><math>\dashv</math></td> <td>   </td> <td>70</td> <td><math>\vdash</math></td> <td>Н</td> <td><math>\vdash</math></td> <td><math>\dashv</math></td> <td>+</td> <td>+</td> <td>+</td> <td><math>\forall</math></td> <td></td> <td></td> <td><math>\vdash</math></td> <td>十</td> <td>十</td> <td>+</td> <td>-+</td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td>+</td>  |                         | <del>     </del>          | $\dashv$        | 1      | H        | 十               | 1        | $\dashv$           |  | 70            | $\vdash$   | Н          | $\vdash$        | $\dashv$ | +        | +        | +      | $\forall$ |          |     | $\vdash$        | 十        | 十        | +        | -+       | $\dashv$ | $\dashv$ | +             |
| 22     122     123     122     123     122     123     124     124     124     124     124     124     125     125     125     125     126     127     127     127     127     127     127     127     127     127     128     129     129     129     130     130     130     131     130     131     131     133     131     133     133     133     133     133     133     133     133     133     133     133     133     133     134     134     135     135     135     135     135     135     135     135     135     135     135     135     135     135     136     137     137     138     138     138     138     138     138     139     140     141     141     142     142     142     143     144     144     144     144     144     145     145     146     146     147     147   |                         | <del>     </del>          |                 | +      | H        | $\dashv$        | $\dashv$ |                    |  |               | ┢  | Н          |                 | $\dashv$ | +        | -        | +      | $\forall$ |          |     | -               | ╅        | +        | 7        | $\dashv$ | _        | +        | +             |
| 23   123   123   124   124   125   125   125   125   126   125   126   126   127   127   128   127   128   129   128   129   130   130   130   130   130   130   130   131   130   131   131   132   132   132   132   133   133   133   134   134   134   134   134   134   135   135   136   136   136   136   137   137   138   138   138   138   139   140   141   141   142   142   142   142   142   143   144   144   144   144   144   145   146   147   147   148   14  |                         | ╁╂                        | _               | 1      | Н        | 十               | 十        |                    | <u>                                   </u>     |               | ┢  | Н          | $\dashv$        | $\dashv$ | +        | _        | +      | H         |          | 122 | $\vdash$        | +        | +        | ┪        | -+       |          | $\pm$    | +             |
| 24     74     124     125     125     126     125     126     126     127     127     127     127     127     128     129     129     129     129     129     130     130     131     131     131     132     132     132     132     133     133     133     133     133     133     133     134     134     134     134     134     134     135     135     135     135     136     137     137     137     138     139     139     139     139     139     140     141     141     142     142     142     142     143     144     144     144     144     144     144     144     144     144     145     146     146     147     148  |                         | ╅                         | $\top$          |        | $\vdash$ |                 | $\dashv$ | $\top$             | <del>                                   </del> |               | <del>                                     </del> | Н          | $\vdash$        | +        | +        | +        | +-     | +         |          | 123 | $\vdash$        | +        | +        | ┪        | $\dashv$ | _        | $\dashv$ | +             |
| 25     125       26     126       27     126       27     127       28     128       29     79       30     130       31     81       32     82       33     131       32     83       33     133       34     84       35     85       36     86       37     87       38     88       39     89       40     90       41     91       42     92       43     93       44     94       44     144       45     95       46     96       47     97       48     98   |                         | H                         | $\neg \vdash$   | +-     |          | -+              | $\dashv$ | $\dashv$           |  |               | ╁  | Н          | $\pm$           | $\dashv$ | +        | +        | +      | $\vdash$  |          | 124 |                 | +        | +        | ┪        | $\dashv$ | +        | +        | -             |
| 26   76   126   127   127   127   128   128   128   129   129   129   129   130   130   130   131   131   131   131   131   131   132   132   132   132   132   132   133   133   133   133   133   134   134   135   135   135   135   136   136   137   137   137   137   138   138   138   138   138   138   139   140   141   141   141   141   141   141   142   142   143   143   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   144   145   146   147   147   147   148  |                         | 111                       | $\neg \vdash$   | +      |          | 1               | $\dashv$ | $\top$             |  |               |  | Н          |                 | $\top$   | $\top$   | _        | +      | $\Box$    |          |     |                 | +        | $\top$   | +        | $\dashv$ | +        | +        | +             |
| 27     77     127     128     128     128     128     128     128     128     128     129     129     130     130     131     131     131     131     131     132     132     132     132     132     133     133     133     133     133     133     133     134     134     134     134     134     134     135     135     135     135     135     136     136     136     137     137     138     138     138     138     139     140     140     140     140     140     141     141     142     142     142     143     144     144     144     144     144     144     145     145     146     146     147     147     147     148  | 26                      |                           | _               | +-     |          | $\neg$          | 寸        |                    |  | 76            | ✝  | Н          | $\dashv$        | 十        | 十        | $\top$   | 1      | Ħ         |          | 126 | $\vdash$        | $^{+}$   | $\top$   | ┪        | +        | $\dashv$ | 十        | _             |
| 28 78   29 128   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 88   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 96   46 96   47 97   48 148  |                         | Ħ                         |                 | +      |          |                 | 寸        |                    |  |               | 1  | Н          |                 | 十        | $\top$   | _        | 1      | 11        |          | 127 |                 | +        | $\top$   | 7        | 十        | 十        | 十        | _             |
| 29 79   30 129   31 130   32 131   33 132   33 133   34 134   35 85   36 86   37 88   38 88   39 88   40 90   41 91   42 92   43 94   44 93   44 94   45 96   46 96   48 148   |                         | 111                       | <u> </u>        | 1      | H        | 寸               | 寸        | $\top$             |  |               | $\vdash$   | Н          | $\Box$          | _        | +        | $\top$   | $\top$ | $\Box$    |          |     |                 | 十        | 十        | 1        | 寸        | -+       | $\dashv$ | 十             |
| 30 80   31 81   32 82   33 132   34 84   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 94   44 94   45 96   46 97   48 130   131 131   132 132   133 134   134 135   135 136   137 138   139 139   140 141   141 142   143 144   145 145   146 147   148 148  | 29                      | 11                        | $\top$          | +      | H        |                 | $\dashv$ |                    |  | 79            | T  |            |                 | _        | 十        | 十        | $\top$ | $\top$    |          | 129 | $\vdash$        | +        | $\top$   | 7        | $\dashv$ | $\dashv$ | $\dashv$ | +             |
| 31 32   33 34   35 83   36 85   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   45 96   47 97   48 148   131 132   133 133   134 134   135 136   137 137   138 138   139 139   140 141   141 142   143 144   145 146   147 147   148 148   |                         | <b>† †</b> †              | $\neg$          | +      | П        |                 | $\dashv$ |                    |  |               | T  | П          | $\neg$          | 十        | 十        | 十        | $\top$ | 1 1       |          |     | $\vdash$        | 7        | 十        | ┪        | $\dashv$ | 十        | $\top$   | _             |
| 32   33   34   33   34   35   35   35   35   35   36   37   36   37   38   39   38   39 <td< td=""><td></td><td></td><td>1</td><td>T</td><td>H</td><td></td><td>╛</td><td>+</td><td></td><td></td><td><math>\vdash</math></td><td>П</td><td><math>\neg</math></td><td>十</td><td><math>\dashv</math></td><td>_</td><td><math>\top</math></td><td><math>\Box</math></td><td></td><td></td><td>_</td><td><math>\top</math></td><td><math>\top</math></td><td>7</td><td>-</td><td><math>\dashv</math></td><td>十</td><td>_</td></td<>   |                         |                           | 1               | T      | H        |                 | ╛        | +                  |  |               | $\vdash$   | П          | $\neg$          | 十        | $\dashv$ | _        | $\top$ | $\Box$    |          |     | _               | $\top$   | $\top$   | 7        | -        | $\dashv$ | 十        | _             |
| 33 133   34 134   35 85   36 86   37 87   38 88   39 89   40 90   41 91   42 92   43 93   44 94   44 94   45 96   47 97   48 133   135 135   136 137   137 138   139 139   140 141   141 142   142 142   143 144   145 146   147 147   148 148   |                         | ╁                         |                 |        |          |                 | 一        |                    |  |               |  |            | $\neg$          | 十        | 十        | 十        | ┰      | $\Box$    |          |     | $\vdash$        | 十        | $\top$   | 寸        | _        | _        | 十        | $\dashv$      |
| 34   |                         | $ \uparrow \uparrow  $    |                 | П      |          | $\dashv$        | $\dashv$ | $\dashv \dashv$    |  |               | Т  | П          | $\dashv$        | 十        | 十        | $\top$   | $\top$ | П         |          |     | 1               | $\top$   | $\top$   | $\dashv$ | _        | $\dashv$ | 十        | $\top$        |
| 35       85       135   <td></td> <td><math>\dagger \dagger \dagger</math></td> <td><math>\top</math></td> <td>П</td> <td>П</td> <td><math>\dashv</math></td> <td><math>\dashv</math></td> <td><math>\top</math></td> <td></td> <td></td> <td>1</td> <td>H</td> <td><math>\dashv</math></td> <td><math>\neg</math></td> <td><math>\top</math></td> <td><math>\top</math></td> <td><math>\top</math></td> <td>П</td> <td></td> <td></td> <td><math>\vdash</math></td> <td>十</td> <td><math>\top</math></td> <td><math>\dashv</math></td> <td></td> <td><math>\top</math></td> <td>十</td> <td>+</td>   |                         | $\dagger \dagger \dagger$ | $\top$          | П      | П        | $\dashv$        | $\dashv$ | $\top$             |  |               | 1  | H          | $\dashv$        | $\neg$   | $\top$   | $\top$   | $\top$ | П         |          |     | $\vdash$        | 十        | $\top$   | $\dashv$ |          | $\top$   | 十        | +             |
| 36       86       136       137           137  | 35                      | Ш                         |                 | П      | П        | 十               | ╅        | $\sqcap$           |  | 85            | 1  | $\Box$     |                 | +        | $\top$   | $\top$   | $\top$ | $\sqcap$  |          | 135 |                 | $\top$   | 十        | $\top$   | $\dashv$ | $\dashv$ | 十        | $\neg$        |
| 37 87   38 137   39 88   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 98   48 137   139 139   140 141   141 142   143 143   145 145   146 147   148 148  |                         |                           |                 | П      | $\Box$   | $\dashv$        | $\top$   | $\neg \neg$        |  |               |  |            |                 | $\top$   | 丁        | $\top$   | $\top$ | $\sqcap$  |          |     | $\dashv$        | $\top$   | 十        | 7        | $\dashv$ | 十        | $\top$   | $\dashv$      |
| 38   39   88   138   139   139   139   139   140   140   140   141   140   141   141   141   141   141   141   142   142   142   142   143   144   144   144   144   144   144   145   145   145   146   147   147   147   148<  |                         | Ш                         |                 | П      | П        | _               | $\neg$   | $\neg \neg$        |  |               | T  | П          |                 | $\top$   | 十        | $\top$   | 1      | $\sqcap$  |          | 137 |                 | 十        | T        | $\top$   | T        | 十        | $\top$   | $\top$        |
| 39 89   40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98  |                         | Ш                         |                 | П      | П        | $\neg \uparrow$ |          | $\neg \neg$        |  |               |  |            |                 | 7        | 7        | $\top$   | T      | $\sqcap$  |          | 138 |                 | $\top$   | $\top$   | $\dashv$ | $\top$   | $\dashv$ | $\top$   | $\neg \vdash$ |
| 40 90   41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98  | 39                      | Ш                         |                 |        | П        | $\neg$          | $\neg$   | $\sqcap$           |  | 89            | Г  |            | $\neg$          | $\top$   | 7        |          | T      | П         |          | 139 |                 | T        | 1        | $\dashv$ | T        | $\neg$   | 十        | _             |
| 41 91   42 92   43 93   44 94   45 95   46 96   47 97   48 98  | 40                      | $\prod$                   | İ               |        |          | $\neg$          | 7        | $\neg \neg \neg$   |  | 90            | 1  |            | $\neg$          | $\top$   | 十        | _        | $\top$ | $\sqcap$  |          | 140 |                 | $\top$   | $\top$   | $\dashv$ | T        |          | $\top$   | $\top$        |
| 42 92   43 93   44 94   45 95   46 96   47 97   48 98  | 41                      | П                         |                 |        |          |                 | $\neg$   | $\sqcap$           |  | 91            |  | П          | $\neg$          | $\top$   | ┪        | $\top$   | 1      | П         |          | 141 | $\neg \uparrow$ | 1        | $\top$   | $\dashv$ | $\top$   |          | $\top$   | $\top$        |
| 43 93   44 94   45 95   46 96   47 97   48 98  | 42                      | Ш                         |                 | П      |          | $\neg$          | T        |                    |  |               |  | П          | $\neg$          | 十        | T        | $\top$   | 1      | П         |          | 142 | $\neg$          | $\top$   | 十        | 7        | $\dashv$ | $\dashv$ | 十        | $\top$        |
| 44 94   45 95   46 96   47 97   48 98  | 43                      | П                         |                 | $\Box$ |          |                 |          |                    |  | 93            | Γ  |            |                 | $\top$   | $\top$   | 7        | $\top$ | $\Box$    |          |     |                 | $\top$   | $\top$   | $\dashv$ | $\dashv$ | $\dashv$ | 十        | $\neg$        |
| 45 95   46 96   47 97   48 98  |                         | Ш                         |                 | П      |          | $\neg$          |          |                    |  | 94            | Γ_   |            | $\dashv$        | 1        | $\top$   | 1        | T      | П         |          |     | $\neg$          | $\top$   | $\top$   | $\top$   | す        | $\top$   | T        | $\top$        |
| 46     96   146     147     148       148     148     148     148     148     148     148     148    | 45                      | $\prod \uparrow$          |                 |        |          |                 | $\Box$   | $\neg \neg \neg$   |  | 95            |  | $\Box$     | $\dashv$        |          | $\neg$   | $\top$   | T      | П         |          | 145 |                 | T        | $\top$   | 1        | 十        | T        | ヿ        | $\top$        |
| 47   | 46                      | Ш                         |                 | П      |          |                 |          |                    |  | 96            | Г  |            | $\neg$          | $\neg$   | $\top$   | $\top$   | 7      | П         |          | 146 | $\neg$          | $\top$   | $\top$   | $\top$   | $\neg$   | $\top$   | 十        | $\top$        |
| 48 98 148  | 47                      | П                         |                 |        |          |                 |          | $\neg \neg \vdash$ |  | 97            |  | $\Box$     | $\neg$          | $\neg$   | 1        | $\top$   |        | П         |          | 147 | 1               | 7        | 十        | $\top$   | $\neg$   | T        | 十        | $\top$        |
| 49   1   99   149   149  | 48                      | Ш                         |                 |        |          |                 |          |                    |  | 98            |  | $\Box$     | $\neg$          |          | $\top$   | $\neg$   |        | П         | П        | 148 | 1               | T        | $\top$   | 1        | 丁        | T        | 十        | $\top$        |
|  | 49                      |                           |                 |        |          |                 |          |                    |  | 99            |  |            |                 |          | ⇉        | T        | Т      |           |          | 149 | $\neg \vdash$   | 1        | $\top$   | 十        | $\top$   | $\top$   | $\top$   | $\neg$        |
| 50 N 150   | 50                      | M                         |                 |        |          | $\Box$          |          |                    |  | 100           |  |            |                 |          | T        |          |        |           |          | 150 |                 | $\top$   |          | ┪        | 丁        | 丁        | $\top$   | $\top$        |